

Response
Application No. 10/551,458
Attorney Docket No. 053160

AMENDMENTS TO THE SPECIFICATION

Please amend the specification as follows:

Amend the Paragraph beginning on page 6, line 6, to read as follows.

Fig. 1 is a structural diagram of a robot system which indicates an embodiment of the present invention. In this drawing, reference numeral 11 shows a robot which should be controlled, and reference numeral 12 indicates a robot control apparatus for controlling the robot 11. The robot control apparatus 12 is provided with a drive apparatus 13, a brake control unit 14, a driving power supply pre-stage control appliance 16, a control unit ~~[[14]]~~ 17, and an input/output unit 18. The drive apparatus 13 drives a motor (not shown) of the robot 11. The brake control unit 14 controls a brake of the above-explained motor. The driving power supply pre-stage control appliance 16 judges a turn-ON condition of the driving power supply in response to an emergency stop signal entered from an external unit, or a control signal entered from a pendant 15. The input/output unit 18 inputs and outputs an external signal. A brake releasing switch 19 is connected to the brake control unit 14, and a releasing switch 20 is also connected to the input/output unit 18.

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Amend the Paragraph beginning on page 6, line 25, to read as follows.

In order to release the brake by an operation executed by an operator, there are one method for manipulating an operation key of the pendant ~~[[13]]~~ 15, and another method for operating either the brake releasing switch 19 or the brake releasing switch 20 (will be explained later). In such a case that either the brake releasing switch 19 or the brake releasing switch 20 is unnecessary, these switches 19 and 20 need not be connected. Also, in such a case that either the brake releasing switch 19 or the brake releasing switch 20 is required, these switches 19 and 20 may be alternatively connected.

Amend the Paragraph beginning on page 10, line 12, to read as follows.

The sequential operation for releasing the brake by operating the brake releasing switch 20 is the same as the above-described method for releasing the brake by operating the pendant 15. In other words, if the operation for closing both the brake releasing master relay 26 and the brake releasing relay ~~[[23]]~~ 24 is carried out by operating the brake releasing switch 20, then currents for closing (energizing) the respective relays are supplied from the control unit 17.